

**T60-56-100**  
**Nominal Rating: 30 Tons Maximum Lifting Capacity**  
**Rev 2.0**  
**Rev Date: 12/9/2015**  
**Author: R. Fitzgerald**

**FULLY RETRACTED**

**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
5.6	83.2	60,000	51,900
10.0	78.6	60,000	51,900
15.0	73.4	56,975	37,875
20.0	68.0	44,225	29,400
25.0	62.4	36,300	24,150
30.0	56.5	30,925	20,550
35.0	50.1	27,000	17,950
40.0	43.2	24,000	15,975
45.0	35.3	21,625	14,375
50.0	25.4	19,575	13,000
55.0	8.9	17,250	11,475
55.8	0.0	16,050	10,675

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
1.71	83.2	27,210	23,540
3.05	78.6	27,210	23,540
4.57	73.4	25,840	17,180
6.10	68.0	20,060	13,330
7.62	62.4	16,460	10,950
9.14	56.5	14,020	9,320
10.67	50.1	12,240	8,000
12.19	43.2	10,880	7,240
13.72	35.3	9,800	6,520
15.24	25.4	8,870	5,890
16.76	8.9	7,820	5,200
17.02	0.0	7,280	4,840

API Maximum Overturning Moment (ft-lbs.)	2,755,807	API Maximum Overturning Moment (tonne-meter)	381.00
Corresponding Axial Force (lbs.)	81,840	Corresponding Axial Force (kgs.)	37,125
Maximum Axial Force (lbs.)	203,440	Maximum Axial Force (kgs.)	92,280
Corresponding Moment (ft-lbs.)	1,888,457	Corresponding Moment (tonne-meter)	261.09
Basic Crane Weight (lbs.)	47,320	Basic Crane Weight (kgs.)	21,465
Center of Gravity (ft)	18.21	Center of Gravity (m)	5.55

**FULLY EXTENDED**

**IMPERIAL UNITS**

Reach (ft)	Boom Angle (Deg)	Onboard Load (Lbs)	Offboard Load (Lbs)
10.8	83.2	45,275	30,100
15.0	80.8	39,600	26,325
20.0	77.9	34,300	22,800
25.0	74.9	30,150	20,050
30.0	71.9	27,150	18,050
35.0	68.9	24,000	15,975
40.0	65.8	21,450	14,250
45.0	62.6	19,325	12,850
50.0	59.4	17,500	11,650
55.0	56.0	15,975	10,600
60.0	52.5	14,625	9,725
65.0	48.8	13,450	8,950
70.0	44.9	12,425	8,250
75.0	40.7	11,525	7,650
80.0	36.2	10,700	7,125
85.0	31.1	10,000	6,650
90.0	25.1	9,350	6,225
95.0	17.3	8,775	5,850
99.8	0.0	8,400	5,575

**METRIC UNITS**

Reach (m)	Boom Angle (Deg)	Onboard Load (Kgs)	Offboard Load (Kgs)
3.31	83.2	20,530	13,650
4.57	80.8	17,960	11,940
6.10	77.9	15,550	10,340
7.62	74.9	13,670	9,090
9.14	71.9	12,310	8,180
10.67	68.9	10,880	7,240
12.19	65.8	9,730	6,460
13.72	62.6	8,760	5,820
15.24	59.4	7,930	5,280
16.76	56.0	7,240	4,800
18.29	52.5	6,630	4,410
19.81	48.8	6,100	4,060
21.34	44.9	5,630	3,740
22.86	40.7	5,220	3,470
24.38	36.2	4,850	3,230
25.91	31.1	4,530	3,010
27.43	25.1	4,240	2,820
28.96	17.3	3,980	2,650
30.43	0.0	3,810	2,520

API Maximum Overturning Moment (ft-lbs.)	2,592,567	API Maximum Overturning Moment (tonne-meter)	358.44
Corresponding Axial Force (lbs.)	64,150	Corresponding Axial Force (kgs.)	29,100
Maximum Axial Force (lbs.)	137,880	Maximum Axial Force (kgs.)	62,540
Corresponding Moment (ft-lbs.)	1,183,020	Corresponding Moment (tonne-meter)	163.56
Basic Crane Weight (lbs.)	47,320	Basic Crane Weight (kgs.)	21,465
Center of Gravity (ft)	19.28	Center of Gravity (m)	5.88

The published load chart generated in accordance with Legacy Dynamic Method per API 2C 7th Edition. The load ratings may vary due to the number of part line, line pull, and environmental conditions, etc. The information provided in this document is intended for informational purposes only and is subject to change without notice.